

REMARKS

Summary of the Office Action

Claim 13 is objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 1, 11, 12 and 14 are rejected under 35 U.S.C. § 102(b) as being anticipated by Japanese Patent Publication No. 2000-351214 to Keiichi.

Summary of the Response to the Office Action

Applicants have amended claims 11-13.

Applicants have canceled claims 1 and 14 without prejudice or disclaimer.

Applicants have added new claims 16 and 17.

Claims 2-13 and 15-17 are pending, of which claims 2-10 and 15 are withdrawn from consideration.

All Claims Define Allowable Subject Matter

Claim 13 is objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants respectfully thank the Examiner for the indication of allowable subject matter recited in claim 13. Applicants have rewritten claim 13 in independent

form including all of the limitations of the base claim and any intervening claims. Accordingly, claim 13 is in condition for allowance. Withdrawal of the objection to claim 13 is requested.

Claims 1, 11, 12 and 14 are rejected under 35 U.S.C. § 102(b) as being anticipated by Keiichi. Applicants have canceled claims 1 and 14 without prejudice or disclaimer, rendering the rejection of claims 1 and 14 moot. Applicants respectfully traverse the rejection under 35 U.S.C. § 102(b), of claims 11 and 12. Applicants have amended claims 11 and 12 to particularly point out and distinctly claim Applicants' invention.

Claim 11 recites an ink jet cartridge having an ink tank and an ink jet recording head. The ink jet recording head includes a substrate, a resin body formed on the substrate, and a heating resistor provided on the substrate. An ink chamber is formed between the heating resistor and an ink discharge section of the resin body. The resin body is dug down along the ink chamber to form a wall portion of the ink chamber, such that a thickness of the resin body at a region outside the wall portion of the ink chamber is thinner than that of the wall portion.

Claim 12 recites an ink jet printer having an ink jet recording head. The ink jet recording head includes a substrate, a resin body formed on the substrate, and a heating resistor provided on the substrate. An ink chamber is formed between the heating resistor and an ink discharge section of the resin body. The resin body is dug down along the ink chamber to form a wall portion of the ink chamber, such that a thickness of the resin body at a region outside the wall portion of the ink chamber is thinner than that of the wall portion. Support for these features is provided at, for example, page 15, line 17 – page 16, line 11, and Fig. 6G of Applicants' specification.

In contrast, as illustrated in Fig. H, Keiichi shows that an orifice plate material 4 is completely removed at a region outside the wall portion of an ink chamber. Applicants respectfully submit that Keiichi does not teach or suggest at least the features of a resin body being dug down along an ink chamber to form a wall portion of the ink chamber, such that a thickness of the resin body at a region outside the wall portion of the ink chamber is thinner than that of the wall portion, as recited in claims 11 and 12. Accordingly, it is requested that the rejection under 35 U.S.C. § 102(b), of claims 11 and 12, be withdrawn, and the claims allowed.

Applicants have added new claims 16 and 17. Support for claim 16 is provided at, for example, Fig. 7E of Applicants' specification. Support for claim 17 is provided at, for example, Figs. 8A-8D of Applicants' specification. New claims 16 and 17 depend from claim 13 and recite the same combination of allowable features recited in claim 13, as well as additional features that define over the prior art. Examination of new claims 16 and 17 is respectfully requested.

CONCLUSION

In view of the foregoing, Applicants respectfully request reconsideration and the timely allowance of the pending claims. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicants' undersigned representative to expedite prosecution.

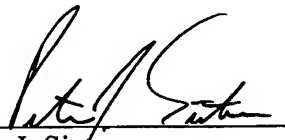
If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 50-0310. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

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Dated: April 18, 2005

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